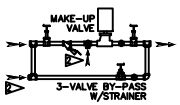
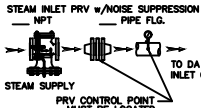
ITEMS TO SHIP LOOSE

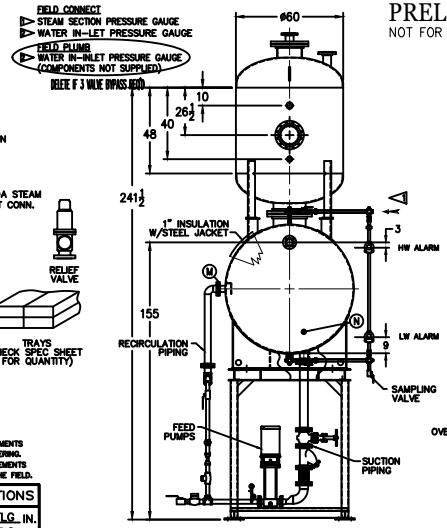




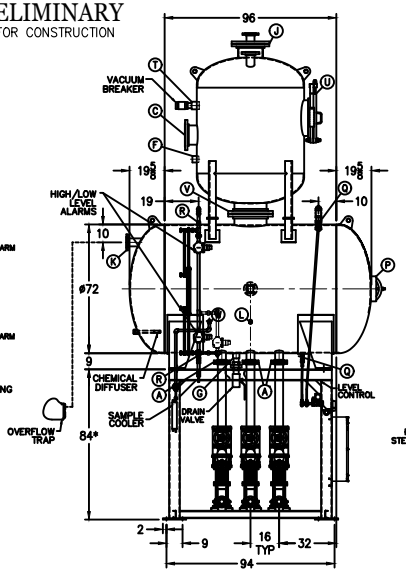
(D) LOW TEMP. RETURN (<180 °F)

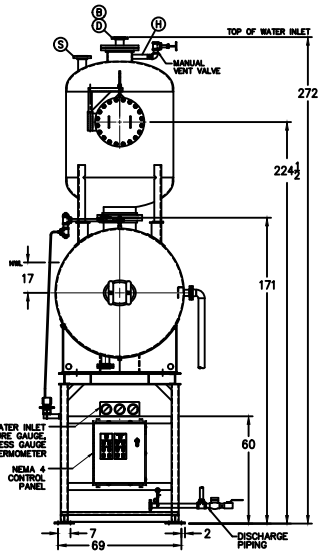
(F) HIGH TEMP. RETURN (>180 °F)

* STAND HEIGHT SUBJECT TO PUMP NPSH REQUIREMENTS
ALL COMPONENTS CONTINGENT UPON FINAL ENGINEERING.
PANEL SIZE MAY VARY DEPENDING ON JOB REQUIREMENTS
TRAYS TO BE SHIPPED LOOSE AND INSTALLED IN THE FIELD.



PRELIMINARY
NOT FOR CONSTRUCTION





DEAERATOR TANK CONNECTIONS

A. (3) PUMP SUCTION	4	FLG IN.
B. (1) WATER INLET	4	FLG IN.
C. (1) STEAM INLET	10	FLG IN.
D. (1) LOW TEMP. RETURN	4	FLG IN.
E. ( ) MED TEMP RETURN		IN.
F. (1) HI TEMP RETURN	2 1/2	IN.
G. (1) DRAIN	2 1/2	IN.
H. (1) MANUAL VENT	2	IN.
J. (1) VENT CONDENSOR	14	FLG IN.
K. (1) OVERFLOW	4	FLG IN.
L. (1) THERMOMETER	1	IN.
M. (1) RECIRCULATION	3	FLG IN.
N. (1) CHEMICAL FEED	1	IN.
P. (1) MANWAY	12 X 16	IN.
Q. (2) LEVEL CONTROLS	1	IN.
R. (2) LEVEL ALARMS	1	IN.
S. (1) RELIEF VALVE	4 300#	FLG IN.
T. (1) VACUUM BREAKER	3	IN.
U. (1) TRAY BOX ACCESS	20	FLG IN.
V. (1) DOWNCOMER	18	FLG IN.
W. (1) SAMPLE COOLER	1	IN.

CONNECTIONS NPT UNLESS NOTED, FLANGES 150# UNLESS NOTED

RATING & CAPACITIES	
DA TYPE	TRAY
CAPACITY	90,000 LBS/HR
DA SECTION CAPACITY	1,800 GALS.
DA STORAGE CAPACITY	10 MINUTES MIN.
DESIGN PRESSURE	50 PSIG STEAM
DESIGN TEMP.	400° F
DEAERATION	.005 CC/LITER
OPERATING PRESSURE	5 PSIG
DRY WEIGHT.	10,600 LBS
OPERATING WEIGHT.	24,560 LBS
FLOODED WEIGHT.	26,390 LBS

THE ABOVE WEIGHTS DO NOT INCLUDE PUMPS, TRIM OR CONTROL PANEL.

SHIPPING WEIGHT		
TANK (EMPTY)	HORIZ 4,715 / VERT 4,000	LBS.
STAND/PUMPS	1,885 /	LBS.

LTR.	DATE	REVISIONS	BY
A	12-26-13	DESCRIPTION	

NOTES

1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRIORITY OVER DRAWING.
3. ALL DIMENSIONS ARE ±1" UNLESS OTHERWISE NOTED.
4. DA TANK DESIGN CODE ASME SECTION VIII, DIV 1
5. DEAERATE ALL LOADS FROM 3XTO 100% OF RATED OUTLET CAPACITY
6. ELIMINATE TITRATABLE FREE CARBON DIOXIDE TO 0.
7. CORROSION ALLOWANCE 1/16".
8. TANK SEPARATED FROM STAND FOR SHIPMENT.
9. SUPERIOR BOILER, INC. RESERVES THE RIGHT TO FURNISH TRIM SHOWN OR AN EQUAL SUBSTITUTE AS DETERMINED BY SB.

THIS DRAWING IS THE PROPERTY OF SUPERIOR BOILER AND SHALL NOT BE REPRODUCED IN PART OR IN WHOLE, AND NONE OF ITS INFORMATION SHALL BE REVEALED WITHOUT PERMISSION OR TO THE DETRIMENT OF THE OWNER, IT MUST BE RETURNED UPON REQUEST.

SOLD TO: SB

JOB: SB

DRAWN BY:	DATE	CHECKED BY:	DATE
X		X	

DRAWING NAME: DEAERATOR, SPRAY

MODEL NO: SS090T155-125

SIZE: 1,800 GALLONS

SUPERIOR BOILER

SCALE: 1/48

DRAWING No: 17070XXX